

#### ABSTRACT OF THE DISCLOSURE

A method for forming an electrode for a fuel cell is disclosed. The method comprises combining an electrically conductive material (e.g., graphite) and a solid grindable resole resin binder, the binder being essentially free of nitrogen and nitrogen-containing compounds, and consolidating the electrically conductive material and the binder to form the fuel cell electrode. The use of a solid, grindable, single stage, nitrogen-free resole resin binder serves to increase the operating life of the electrode. One example binder comprises the reaction product of bisphenol A and a molar excess of an aldehyde, such as formaldehyde.

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